

A rotary solenoid apparatus includes a rotation shaft, a regulating means for regulating the rotation range of the rotating shaft, a permanent magnet fixed to the rotating shaft in a body, a spring for urging the rotating shaft in the circumferential direction, a yoke having a pair of stator portions being opposite to the permanent magnet with a predetermined clearance, a coil wound on the yoke and an energization control means for controlling the energization of the coil so that the coil is selectively excited. The permanent magnet is magnetized in the radial direction of the rotation shaft.